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(FILE 'HOME' ENTERED AT 15:32:41 ON 06 APR 2004)

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L1 STRUCTURE uploaded

L2 1 S L1

L3 12 S L1 SSS FULL

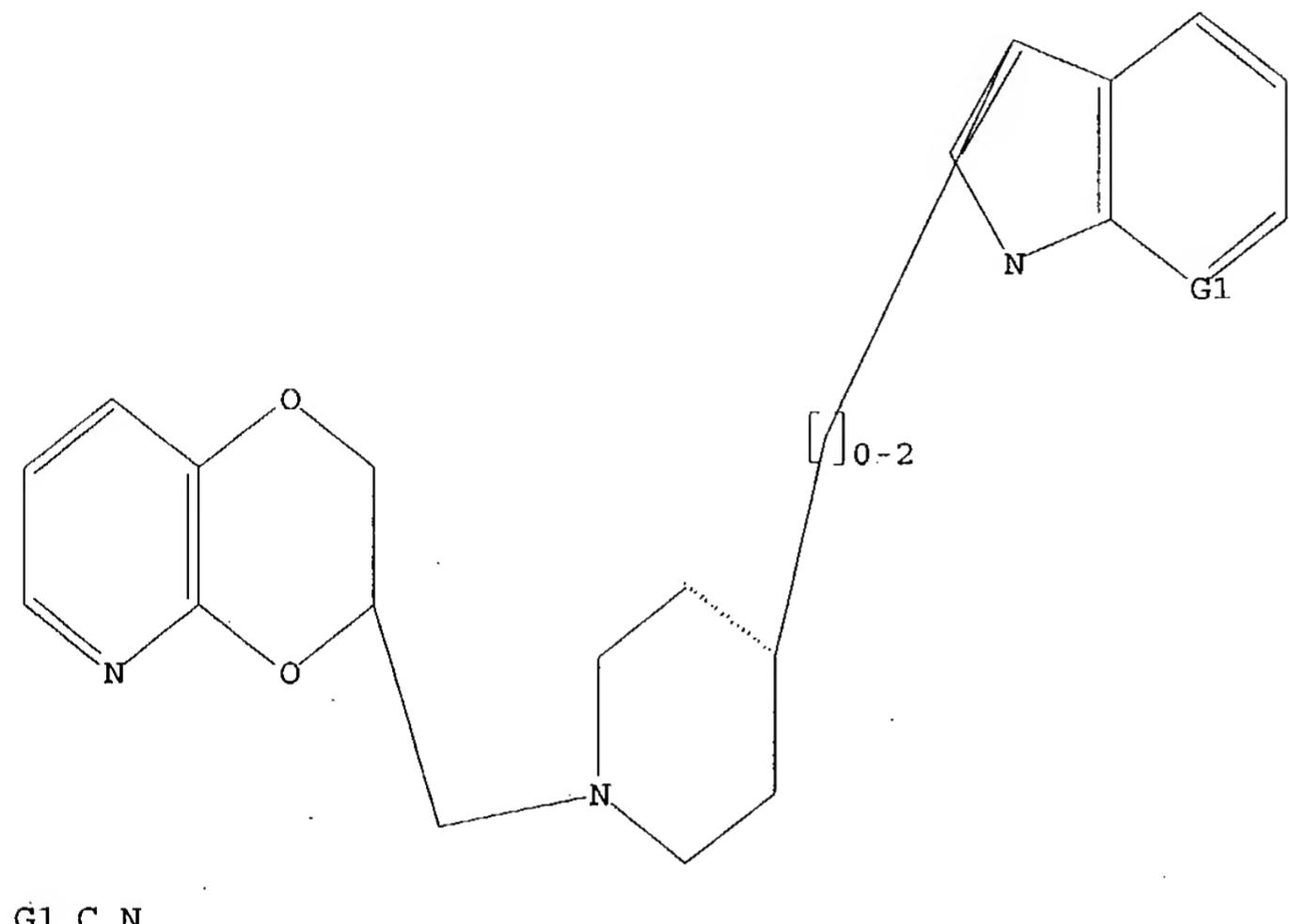
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L4 1 S L3

=> d 11

L1 HAS NO ANSWERS

L1 STR

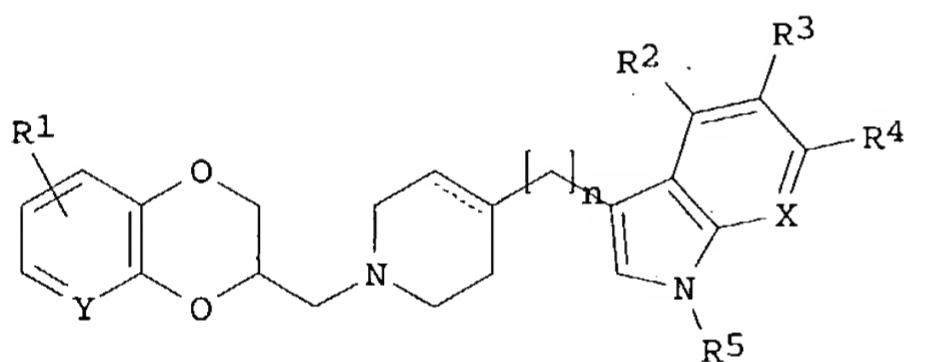


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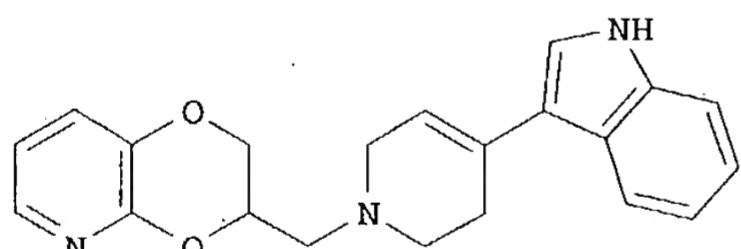
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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:832806 CAPLUS
DN 137:337898
TI Preparation of antidepressant azaheterocyclmethyl derivatives of 1,4-dioxino[2,3-b]pyridine
IN Tran, Megan; Stack, Gary Paul
PA Wyeth, John, and Brother Ltd., USA
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2002085911 A1 20021031 WO 2002-US12847 20020424
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
US 2002183355 A1 20021205 US 2002-127923 20020423
US 6656950 B2 20031202
US 2004058953 A1 20040325 US 2003-661182 20030912
PRAI US 2001-286301P P 20010425
US 2002-127923 A1 20020423
OS MARPAT 137:337898
GI



I



II

AB The title compds. [I; R1 = H, OH, halo, etc.; R2-R4, R6 = H, halo, CN, etc.; R5 = H, alkyl; X = CR6, N; n = 0-2; Y = N, N-oxide], useful for the treatment of depression, obsessive compulsive disorder, panic attacks, generalized anxiety disorder, social anxiety disorder, sexual dysfunction, eating disorders, obesity, addictive disorders caused by ethanol or cocaine abuse, and dysthymia, were prepared. Thus, reacting 3-(1,2,3,6-tetrahydro-4-pyridyl)-1H-indole with 2-bromo-3-[(2S)-oxiranylmethoxy]pyridine (yield 71%) followed by cyclization of the intermediate afforded 52% (S)-II which showed Ki of 14.30 nM against 5-HT1A receptor binding.

IT 473996-68-8P 473996-69-9P 473996-70-2P
473996-71-3P 473996-72-4P 473996-73-5P
473996-74-6P 473996-75-7P 473996-81-5P
473996-82-6P 473996-83-7P 473996-84-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of antidepressant azaheterocyclmethyl derivs. of 1,4-dioxino[2,3-b]pyridine)

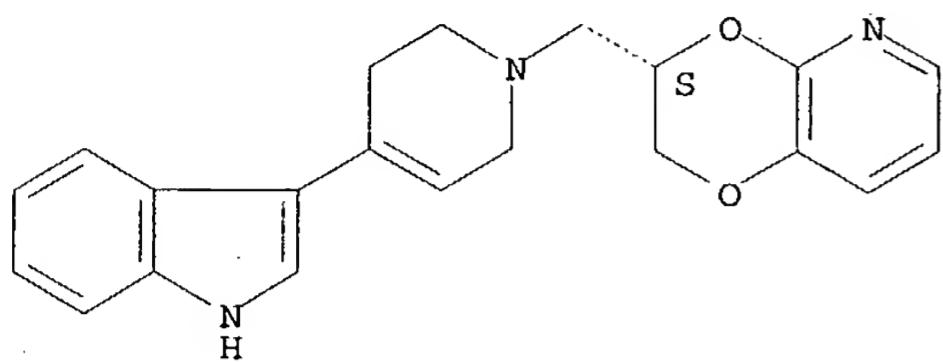
RN 473996-68-8 CAPLUS

CN 1,4-Dioxino[2,3-b]pyridine, 3-[[3,6-dihydro-4-(1H-indol-3-yl)-1(2H)-

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pyridinyl]methyl]-2,3-dihydro-, (3S)- (9CI) (CA INDEX NAME)

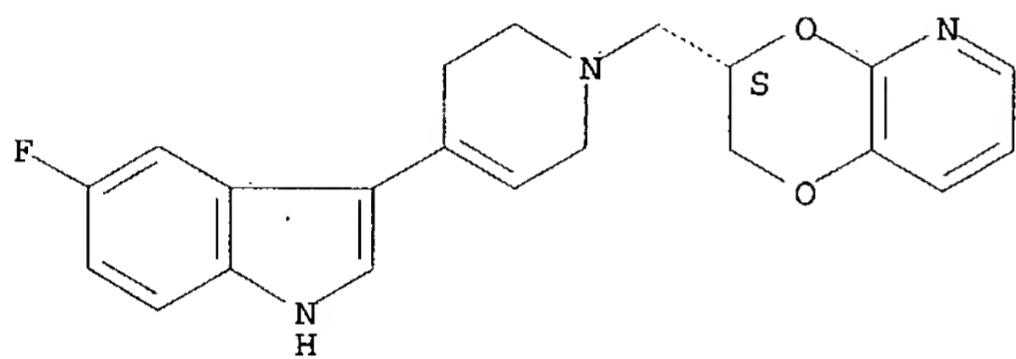
Absolute stereochemistry.



RN 473996-69-9 CAPLUS

CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(5-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)- (9CI) (CA INDEX NAME)

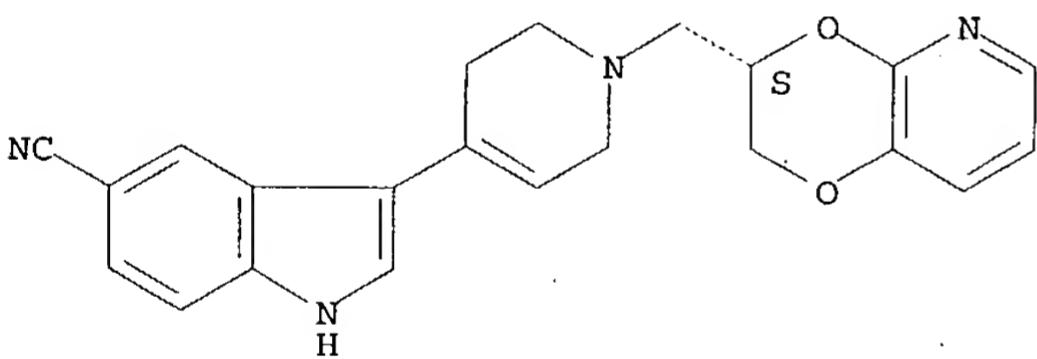
Absolute stereochemistry.



RN 473996-70-2 CAPLUS

CN 1H-Indole-5-carbonitrile, 3-[[1-[(3S)-2,3-dihydro-1,4-dioxino[2,3-b]pyridin-3-yl]methyl]-1,2,3,6-tetrahydro-4-pyridinyl]- (9CI) (CA INDEX NAME)

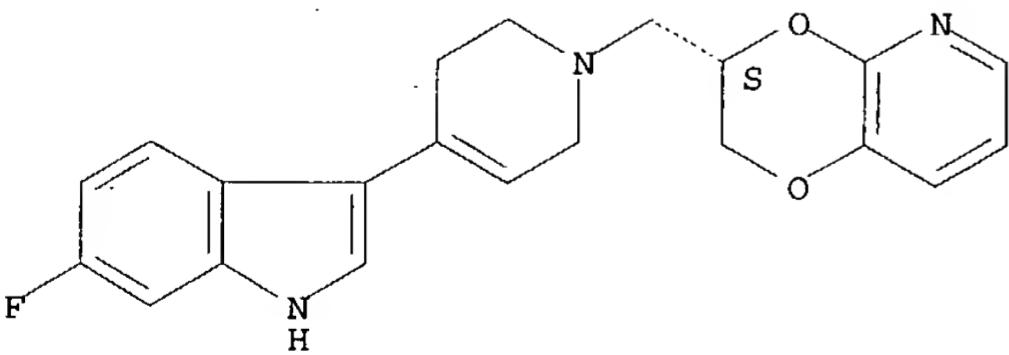
Absolute stereochemistry.



RN 473996-71-3 CAPLUS

CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(6-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



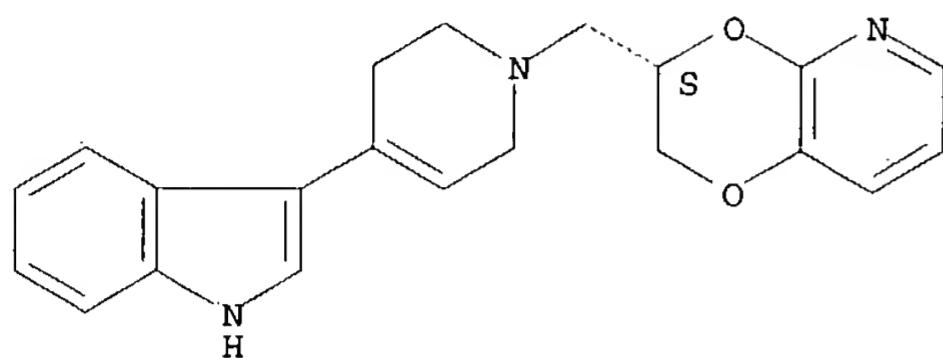
RN 473996-72-4 CAPLUS

CN 1,4-Dioxino[2,3-b]pyridine, 3-[[3,6-dihydro-4-(1H-indol-3-yl)-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)-, ethanedioate (1:1) (9CI) (CA INDEX NAME)

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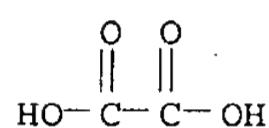
CRN 473996-68-8
CMF C21 H21 N3 O2

Absolute stereochemistry.



CM 2

CRN 144-62-7
CMF C2 H2 O4

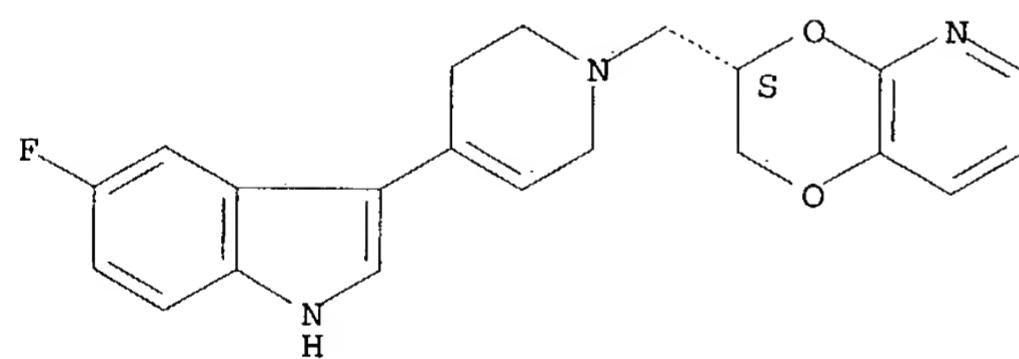


RN 473996-73-5 CAPLUS
CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(5-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)-, ethanedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

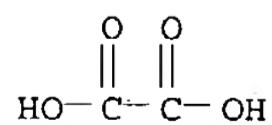
CRN 473996-69-9
CMF C21 H20 F N3 O2

Absolute stereochemistry.



CM 2

CRN 144-62-7
CMF C2 H2 O4



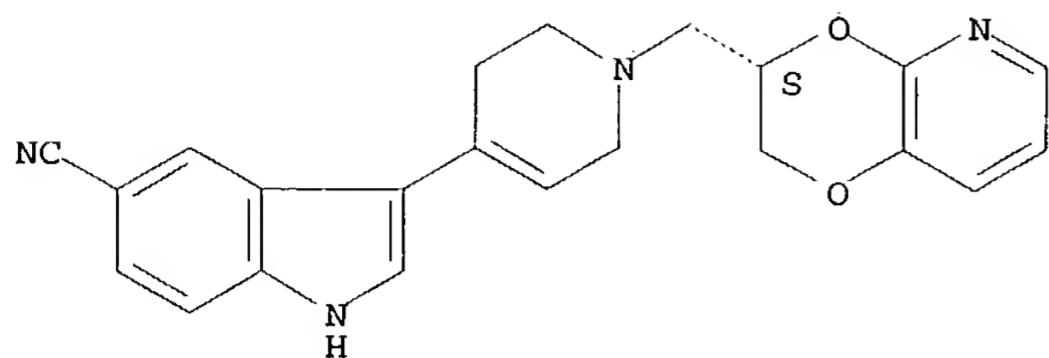
RN 473996-74-6 CAPLUS
CN 1H-Indole-5-carbonitrile, 3-[[1-[(3S)-2,3-dihydro-1,4-dioxino[2,3-b]pyridin-3-yl]methyl]-1,2,3,6-tetrahydro-4-pyridinyl]-, ethanedioate (5:7) (9CI) (CA INDEX NAME)

CM 1

CRN 473996-70-2
CMF C22 H20 N4 O2

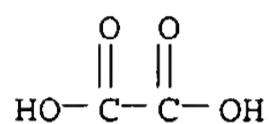
Absolute stereochemistry.

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CM 2

CRN 144-62-7
CMF C2 H2 O4

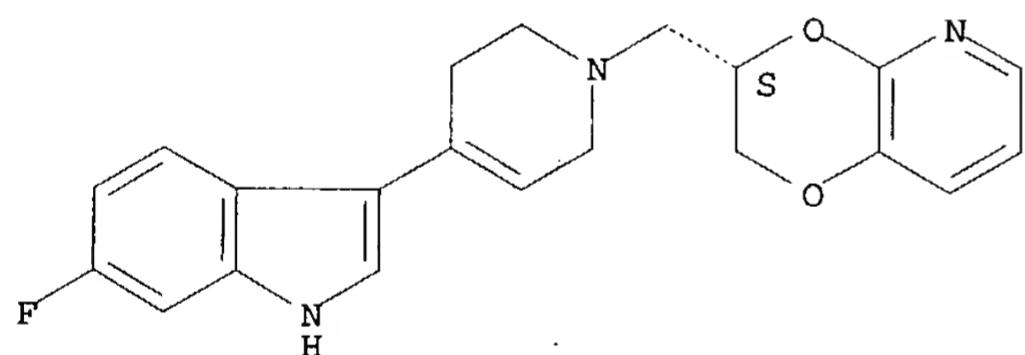


RN 473996-75-7 CAPLUS
CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(6-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro-, (3S)-, ethanedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

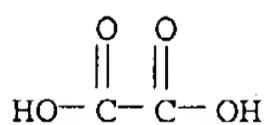
CRN 473996-71-3
CMF C21 H20 F N3 O2

Absolute stereochemistry.

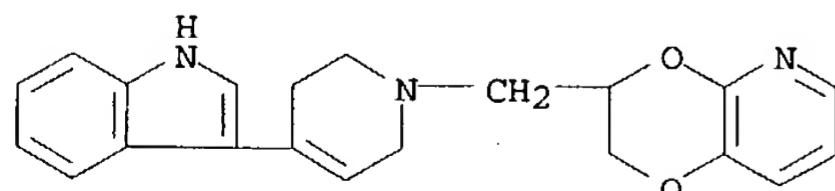


CM 2

CRN 144-62-7
CMF C2 H2 O4



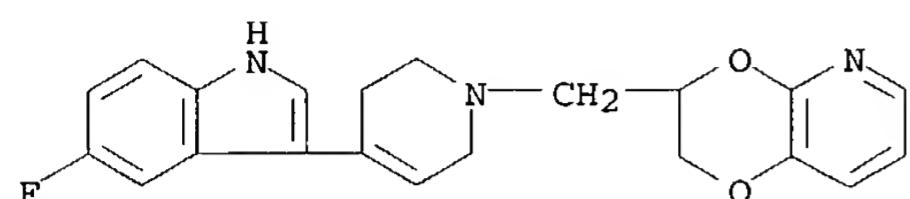
RN 473996-81-5 CAPLUS
CN 1,4-Dioxino[2,3-b]pyridine, 3-[[3,6-dihydro-4-(1H-indol-3-yl)-1(2H)-pyridinyl]methyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



RN 473996-82-6 CAPLUS
CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(5-fluoro-1H-indol-3-yl)-3,6-dihydro-

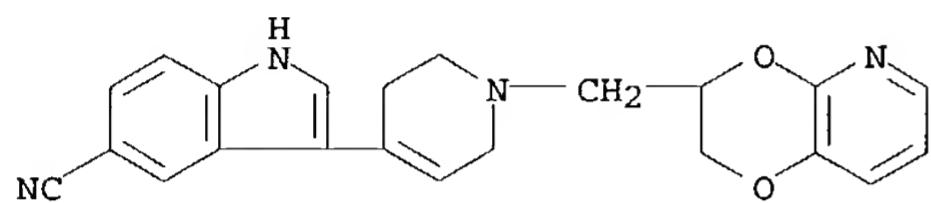
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1(2H)-pyridinylmethyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



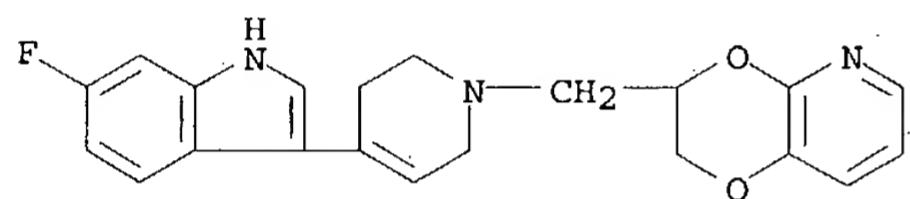
RN 473996-83-7 CAPLUS

CN 1H-Indole-5-carbonitrile, 3-[1-[(2,3-dihydro-1,4-dioxino[2,3-b]pyridin-3-yl)methyl]-1,2,3,6-tetrahydro-4-pyridinyl]- (9CI) (CA INDEX NAME)



RN 473996-84-8 CAPLUS

CN 1,4-Dioxino[2,3-b]pyridine, 3-[[4-(6-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinylmethyl]-2,3-dihydro- (9CI) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT